

**Summary Report for Individual Task
551-8ST-3015
Conduct Hazardous Waste Operations
Status: Approved**

Distribution Restriction: Approved for public release; distribution is unlimited.

Destruction Notice: None

Foreign Disclosure: FD1 - The materials contained in this course have been reviewed by the course developers in coordination with the FT.LEE, VA 23801 foreign disclosure authority. This course is releasable to students from all requesting foreign countries without restrictions.

Condition: Assigned as crew member, given a completed risk assessment, a vessel in port or at sea, all applicable publications, forms and records, tools, materials, personnel, equipment in allweather conditions day or night and all MOPP levels in an operational environment scenario. Standard MOPP 4 conditions do not exist for this task. See the MOPP 4 statement for specific conditions.

Standard: On order, conduct hazardous waste operations IAW the applicable technical publication's procedures and specifications. Comply with all Warnings, Cautions, and Notes listed in all applicable references. Once the task is completed ensure all entries on all forms and records are made without errors.

Special Condition: None

Safety Risk: Low

MOPP 4: N/A

Task Statements

Cue: None

DANGER

None

WARNING

The Marine Plastic Pollution Research and Control Act of 1987 prohibits at sea dumping of plastic materials. Since sorbent sweeps are composed of blown polypropylene, a type of plastic, it is prohibited to discard the sorbent overboard. The sorbent material must be kept for disposal at a shore-based facility.
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CAUTION

None

Remarks: Army Watercraft shall not discharge hazardous substances anywhere into or upon any waters. Hazardous substances will be retained onboard and properly disposed of at shoreside facilities.

Notes: None

Performance Steps

1. Demonstrate the following procedures in order to minimize the amount of oily bilge waste generated during maintenance.

- a. use minimum amount of water required for washdown of machinery spaces.
- b. use containers to collect liquids that normally drain to the bilge or re-pipe drains.
- c. repair or contain all identified oil, grease, and fuel leaks.
- d. drain the contents of machinery sumps into appropriate containers.
- e. do not use detergents for cleaning machinery.
- f. do not add dispersants or emulsifier to oily wastewater.
- g. do not dilute oily waste with water in order to reduce the oil concentration of the mixture.
- h. use drip pans to the maximum extent practicable under potential sources of oil leaks/spills such as:

- (1) Oil filter and strainer housing drains.

- (2) Oil purifiers, centrifuges, and clarifiers.

- (3) Machinery lubricating oil pump drains.

- (4) Oil drains from gutters around machinery.

- (5) Fuel oil leaks from diesel engine injectors.

- (6) Run off from the automatic or manual oiling of machinery.

- i. some classes of Army Watercraft employ oil-lubricated stern bearings and oil seals, and/or hydraulically controlled propellers. Although minor, some oil leakage from these systems is possible, which may result in exceeding the standards of the Federal Water Pollution Control Act. Therefore, inspections of oil-lubricated bearings and oil seals and hydraulically controlled propellers should be conducted on a periodic basis.

2. Identify the four categories of Personal protective equipment base on the degree of operation.

- a. Level A-to be selected when the greatest level of skin, respiratory, and eye protection.

- b. Level B-the highest level of respiratory protection is necessary but a lesser level of skin protection is needed.

- c. Level C-The concentration(s) and type(s) of airborne substance(s) is known and the criteria for using air purifying respirators are met.

- d. Level D-A work uniform affording minimal protection, used for nuisance contamination only.

3. Demonstrate knowledge of On-board Spill Clean-up.

- a. Surround the spill area with sorbent socks.

b. If needed place a second row off sorbents on the outside of the bounded spill area.

c. Place additional sorbent material in the bounded spill area.

d. When sorbents are saturated or the spill has been completely sorbed, pick up the sorbents and place them in a plastic bag or drum for disposal.

e. Once the spill has been sorbed, decontaminate all surfaces, reusable PPE, and equipment. Return all decontamination materials to storage.

4. Demonstrate knowledge of On-water oil clean-up.

a. deploy sorbent sweep from the deck of the vessel.

(1) attached both ends of the sorbent sweep to a tending line to assist in maneuvering and securing the sweep in place.

(2) leave sweep in place until saturated.

b. collect the oil soaked sorbent in plastic bags or steel drums.

c. seal the drums, label and store as hazardous material for disposal ashore.

d. request port service assistance to recover the oily sweep, if needed.

(Asterisks indicates a leader performance step.)

Evaluation Guidance: Score the soldier a GO if all performance measures are correctly completed/pass (P). Score the Soldier a NO-GO if any of the performance measures are missed or incorrectly performed/fail (F).

Evaluation Preparation: Ensure Soldier understand why this task is important to the overall safe handling of the hazardous waste onboard the vessel.

PERFORMANCE MEASURES	GO	NO-GO	N/A
1. Demonstrate the following procedures to minimize waste generated during maintenance.			
a. use minimum amount of water to washdown machinery.			
b. use containers to collect liquid that normally drain to the bilge or pipe drains.			
c. drain the contents of machinery sumps into appropriate containers.			
d. do not use detergents for cleaning machinery.			
e. do not add dispersants or emulsifier to oily wastewater.			
f. use drip pans to maximum extent practicable under potential sources of oil leaks/spills.			
2. Identify the four categories of Personal Protective Equipment.			
a. Level-A			
b. Level-B			
c. Level-C			
d. Level-D			
3. Demonstrate knowledge of On-board Spill clean-up.			
a. surround the spill area with sorbent socks.			
b. if needed place a second row of sorbents on the outside of the spill area.			
c. place additional sorbent material in the spill area.			
d. decontaminate all surfaces, reusable PPE, and equipment.			
e. return all decontamination materials to storage.			
4. Demonstrate knowledge of On-water oil clean-up.			
a. deploy sorbent sweep from the deck of the vessel.			
(1) attached both ends of the sorbent sweep to a tending line to assist in maneuvering and securing it in place.			
(2) leave sweep in place until saturated.			
b. collect oil soaked sorbent in plastic bags or steel drums.			
c. seal the drums, label and store as hazardous material for disposal ashore.			

Supporting Reference(s):

Step Number	Reference ID	Reference Name	Required	Primary
	OSHA 29CFR-1910.1200	Hazard Communication; OSHA Regulation (Standards-29CFR), part 1910.1200	Yes	No
	TB 55-1900-206-14	CONTROL AND ABATEMENT OF POLLUTION BY ARMY WATERCRAFT	Yes	No
	TB 55-1900-252-14	UNITED STATES WATERCRAFT OIL SPILL AND SHIPBOARD POLLUTION	No	No

Environment: Environmental protection is not just the law but the right thing to do. It is a continual process and starts with deliberate planning. Always be alert to ways to protect our environment during training and missions. In doing so, you will contribute to the sustainment of our training resources while protecting people and the environment from harmful effects. Refer to FM 3-34.5 Environmental Considerations and GTA 05-08-002 ENVIRONMENTAL-RELATED RISK ASSESSMENT. Environmental protection is not just the law but the right thing to do. It is a continual process and starts with deliberate planning. Always be alert to ways to protect our environment during training and missions. In doing so, you will contribute to the sustainment of our training resources while protecting people and the environment from harmful effects. Refer to FM 3-34.5 Environmental Considerations and GTA 05-08-002 ENVIRONMENTAL-RELATED RISK ASSESSMENT. AR 200-1 delineates TRADOC responsibilities to integrate environmental requirements across DOTMLPF and ensures all training procedures, training manuals, and training doctrine includes sound environmental practices and considerations. The Army's environmental vision is to be a national leader in environmental and natural resource stewardship for present and future generations as an integral part of all Army missions. Environmental protection is never completed. Continuously be alert to ways to protect our environment and reduce waste. Leaders must ensure that their unit has an active and strong environmental program. They must understand the laws and know what actions to take. Leaders bring focus, direction, and commitment to environmental protection. Commanding officers should ensure

the following environmental programs are in place and are being maintained:-Hazardous materials program.-Hazardous waste program.-Hazardous communications program.-Pollution prevention and hazardous waste minimization recycling program.-Spill prevention and response plan program.

Safety: In a training environment, leaders must perform a risk assessment in accordance with ATP 5-19, Risk Management. Leaders will complete the current Deliberate Risk Assessment Worksheet in accordance with the TRADOC Safety Officer during the planning and completion of each task and sub-task by assessing mission, enemy, terrain and weather, troops and support available-time available and civil considerations, (METT-TC). Note: During MOPP training, leaders must ensure personnel are monitored for potential heat injury. Local policies and procedures must be followed during times of increased heat category in order to avoid heat related injury. Consider the MOPP work/rest cycles and water replacement guidelines IAW FM 3-11.4, Multiservice Tactics, Techniques, and Procedures for Nuclear, Biological, and Chemical (NBC) Protection, FM 3-11.5, Multiservice Tactics, Techniques, and Procedures for Chemical, Biological, Radiological, and Nuclear Decontamination. All operations will be performed to protect and preserve Army personnel and property against accidental loss. Procedures will provide for public safety incidental to Army operations and activities and safe and healthful workplaces, procedures, and equipment. Observe all safety and/or environment precautions regarding electricity, cable, and lines. Provide ventilation for exhaust fumes during equipment operation and use hearing protection when required IAW AR 385-10, the Clean Air Act (CAA) and the CAA amendments, and the OSHA Hazard Communication standard.

Prerequisite Individual Tasks : None

Supporting Individual Tasks : None

Supported Individual Tasks :

Task Number	Title	Proponent	Status
551-8ST-4020	Enforce Enviromental Protection Procedures	551 - Transportation (Individual)	Approved

Supported Collective Tasks :

Task Number	Title	Proponent	Status
55-2-1508	Conduct Vessel Operations	55 - Transportation (Collective)	Approved

ICTL Data :

ICTL Title	Personnel Type	MOS Data
MOS 88K Watercraft Operator SL3	Enlisted	MOS: 88K, Skill Level: SL3, Duty Pos: TAV
88L40 Watercraft Engineer	Enlisted	MOS: 88L, Skill Level: SL4, Duty Pos: TGB, LIC: EN, SQI: O
88L30 Watercraft Engineer	Enlisted	MOS: 88L, Skill Level: SL3, Duty Pos: TFR, LIC: EN
MOS 88K Watercraft Operator SL 4	Enlisted	MOS: 88K, Skill Level: SL4, Duty Pos: TFJ